



# ***Manitowoc***

## **Foodservice**

## **Parts Manual**

For more Parts Information:

<https://manitowocfsg.sysonline.com/Default.aspx>

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Manitowoc Foodservice [Updated: Sep. 30, 2013]

Manitowoc - Ice & Related

Parts Catalog

Ice Machine

S Series

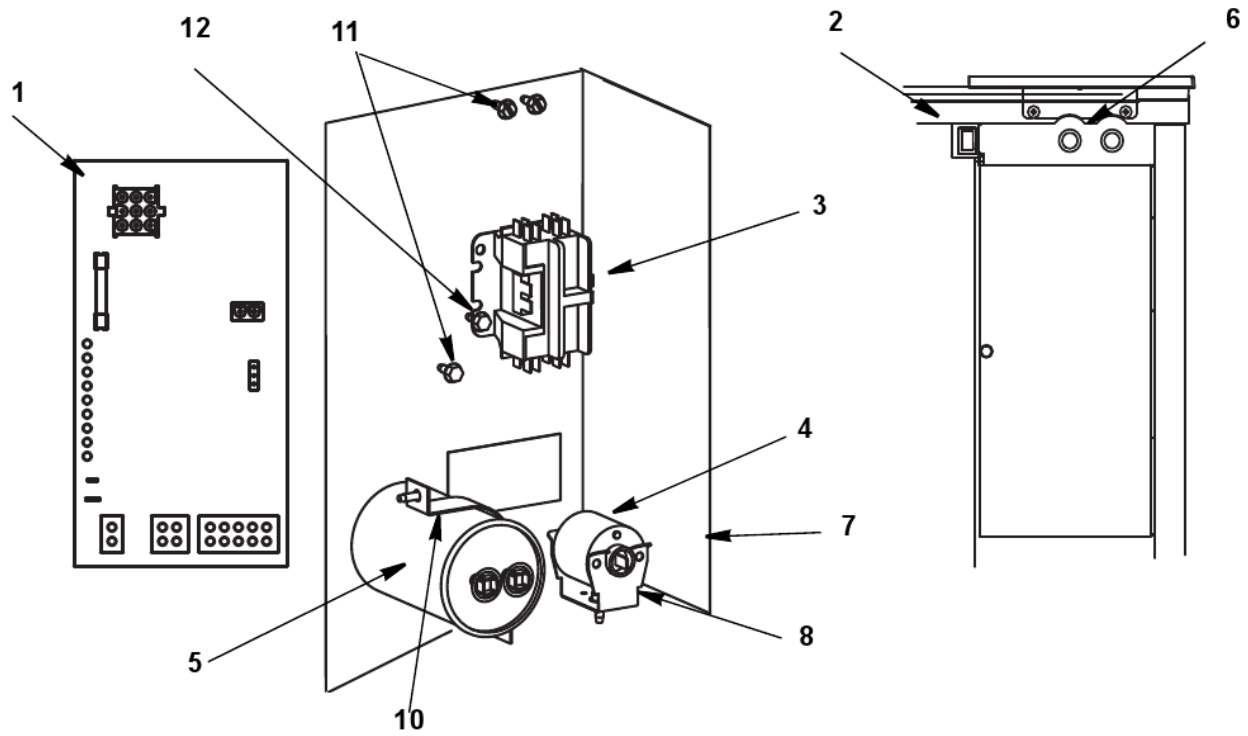
S Model - Air, Water & Remote

S1400, JC1395

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# S1400, JC1395

## S1400 CONTROL BOX COMPONENTS



# S1400, JC1395

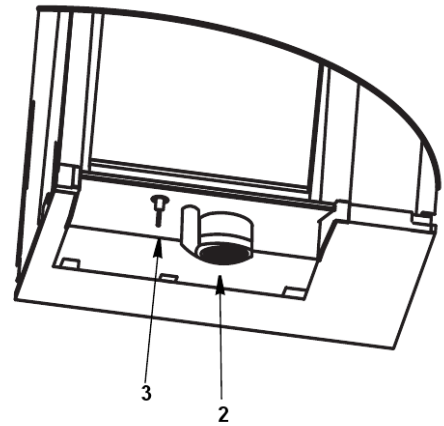
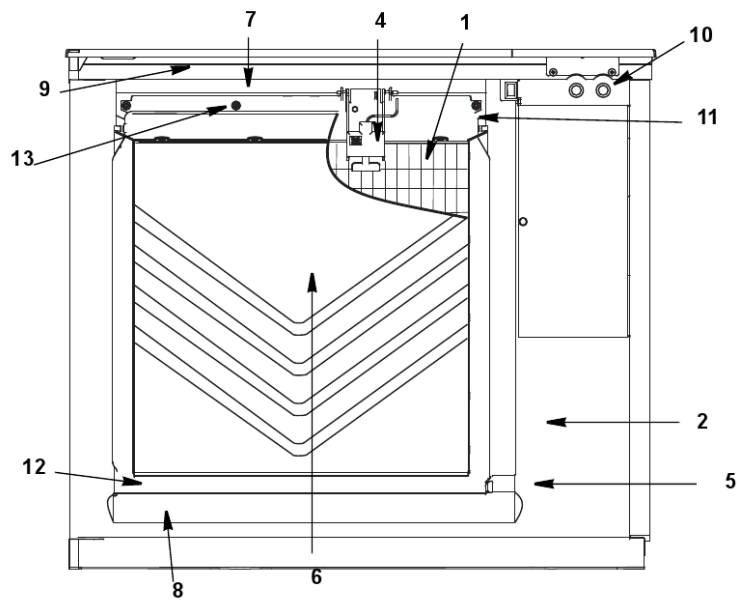
## S1400 CONTROL BOX COMPONENTS

| #   | PART #    | DESCRIPTION                                  | QTY | Note |
|-----|-----------|----------------------------------------------|-----|------|
| 1   | 2006199   | Control Board                                |     |      |
| 1a  | 000008240 | 7 Amp Fuse - Mounted on Control Board        |     |      |
| 2   | 2007939   | Toggle Switch                                |     |      |
| 2a  | 2009069   | Toggle Switch Wiring Harness                 |     |      |
| 2b  | 4011639   | Toggle Switch Box                            |     |      |
| 3   |           | Contactor                                    |     |      |
| 3a  | 2009089   | Contactor - 208-230V/50-60 Hz/1 Ph           |     |      |
| 3b  | 2006619   | Contactor - 230V/60 Hz/3 Ph                  |     |      |
| 4   | 8504913   | PTCR                                         |     |      |
| 5   |           | Run Capacitor - See Note for Usage           |     |      |
| 5a  | 2010133   | Run Capacitor - 115-230V/50-60 Hz/1 Ph       |     | [1]  |
| 5b  | 000001395 | Run Capacitor - 208-230V/50-60 Hz/1 Ph       |     | [2]  |
| 5c  | 000000028 | Run Capacitor - 208-230V/50-60 Hz/1 Ph       |     | [3]  |
| 5d  | 000005488 | Run Capacitor - 115-230V/50-60 Hz/1 Ph       |     | [4]  |
| 6   | 8373263   | Refrigeration Service Valve Assembly         |     |      |
| 7   | 7602143   | Control Box                                  |     |      |
| 7a  | 7603153   | Control Box Cover                            |     |      |
| 7b  | 6067249   | Control Box Bracket                          |     |      |
| 8   | 8504953   | PTCR Bracket                                 |     |      |
| 9   | 4302253   | Control Board Mounting Supports              |     |      |
| 10  | 6024951   | Capacitor Bracket                            |     |      |
| 11  | 5202169   | Screw - #10-24 x 0.50" Ground                |     |      |
| 11a | 5573209   | Star Washer                                  |     |      |
| 12  | 5202069   | Screw - #10-24 x 0.50" HEX                   |     |      |
| 13  |           | Control Box Wiring Harness                   |     |      |
| 13a | 2008999   | Control Box Wiring Harness - 230V/60 Hz/1 Ph |     |      |
| 13b | 2008979   | Control Box Wiring Harness - 230V/60 Hz/3 Ph |     |      |
| 13c | 2008989   | Control Box Wiring Harness - 230V/50 Hz/1 Ph |     |      |
| 13d | 2009009   | Harvest Air Assist Pump Wiring Harness       |     |      |

### PART NOTES:

- [1] - For Copeland Compressor 208-230V/60 Hz/1 Ph
- [2] - For Copeland Compressor 208-230V/50 Hz/1 Ph
- [3] - For Bristol Compressor 208-230V/60 Hz/1 Ph
- [4] - For Bristol Compressor 208-230V/50 Hz/1 Ph

## S1400 EVAPORATOR COMPARTMENT - COMMON COMPONENTS



## S1400 EVAPORATOR COMPARTMENT - COMMON COMPONENTS

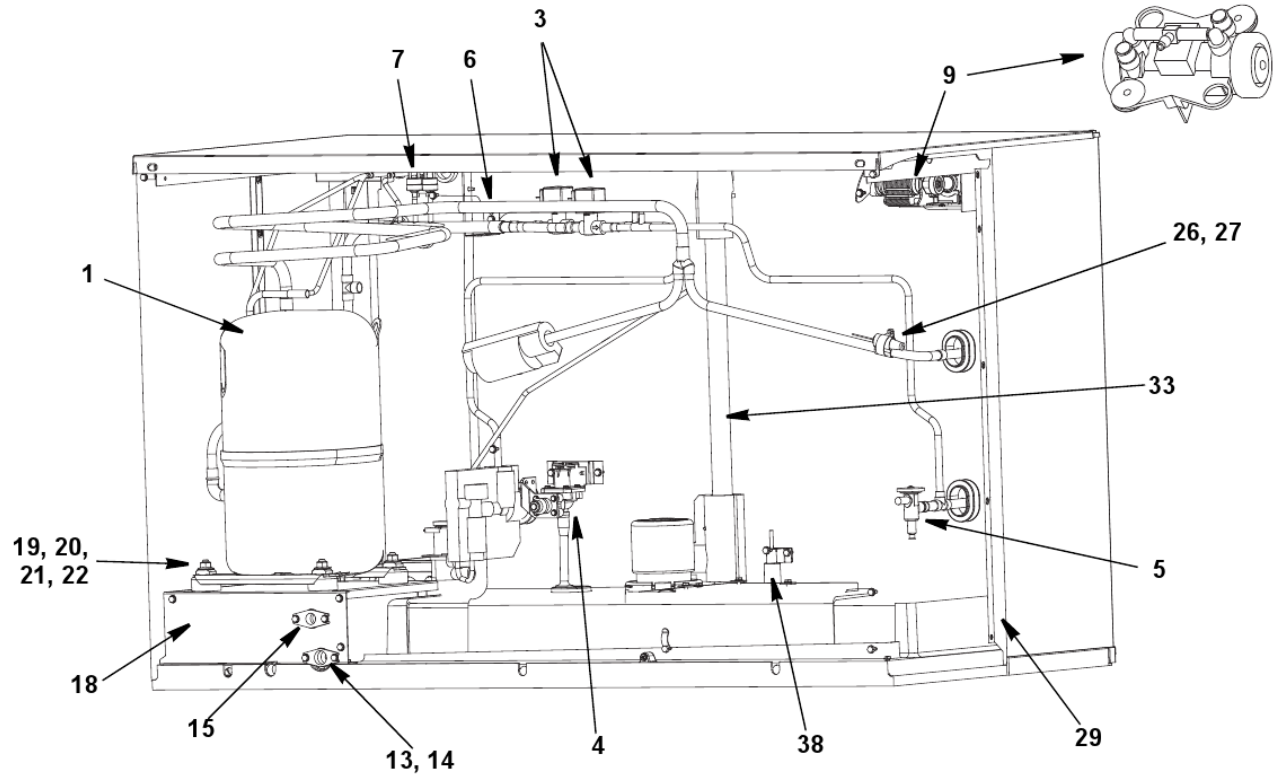
| #   | PART #    | DESCRIPTION                          | QTY | Note |
|-----|-----------|--------------------------------------|-----|------|
| 1   |           | Evaporator Assembly                  |     |      |
| 1a  | 7603163   | Evaporator - Dice Cube               |     |      |
| 1b  | 7603173   | Evaporator - Half Dice Cube          |     |      |
| 2   |           | Water Pump - See Note for Usage      |     |      |
| 2a  | 8252109   | Water Pump - 230V/50-60 Hz           |     | [1]  |
| 2b  | 2007389   | Water Pump - 230V/50 Hz              |     | [2]  |
| 3   | 2006549   | Water Level Probe                    |     |      |
| 3a  | 2009169   | Wire - Control Box to Probe          |     |      |
| 4   | 2008029   | Ice Thickness Control Probe          |     |      |
| 5   | 000007888 | Magnetic Bin Switch                  |     |      |
| 6   | 4014239   | Water Curtain                        |     |      |
| 7   | 7603193   | Water Distribution Tube - 48" Models |     |      |
| 7a  | 5004649   | O-Rings                              |     | [3]  |
| 8   | 4009159   | Water Trough                         |     |      |
| 9   | 000000406 | Evaporator Top Filler Panels         |     | [4]  |
| 9a  | 6063339   | Bracket - Top Filler Panel           |     |      |
| 9b  | 5202099   | Screw - #10-24 x 0.50" PHIL          |     |      |
| 10  | 8373263   | Refrigeration Service Valve Assembly |     |      |
| 11  | 7603203   | Evaporator Top Frame Assembly        |     |      |
| 12  | 7603183   | Water Diverter - 48" Models          |     |      |
| 12a | 5305123   | Thumbscrew SS - #8-32 x 0.44"        |     |      |
| 13  | 5004799   | Thumbscrew SS - #8-32 x 0.375"       |     | [5]  |
| 13a | 5004629   | O-Ring - 0.125" ID                   |     |      |
| 14  | 5004619   | Screw - #12-16 x 0.687"              |     |      |
| 15  | 5004659   | Water Pump Base O-Ring - 4.00" ID    |     |      |
| 16  | 5004679   | Water Pump Outlet O-Ring - 0.875" ID |     |      |
| 17  | 000001382 | Vinyl Tubing 0.625" ID               |     | [6]  |
| 17a | 6038831   | Insulation 0.88 ID X 0.25W X 13.50L  |     |      |

### PART NOTES:

- [1] - 60 Hz
- [2] - 50 Hz
- [3] - Back of Distribution Assembly
- [4] - set of two
- [5] - Water Distribution Tube Mounting
- [6] - dump valve to drain adapter

# S1400, JC1395

## S1400 REFRIGERATION COMPARTMENT - COMMON COMPONENTS



### RESOURCE NOTES:

NOTE: Copeland compressors must be replaced with Copeland compressors and Bristol compressors must be replaced with Bristol compressors.

# S1400, JC1395

## S1400 REFRIGERATION COMPARTMENT - COMMON COMPONENTS

| #   | PART #    | DESCRIPTION                                               | QTY | Note |
|-----|-----------|-----------------------------------------------------------|-----|------|
| 1   |           | Compressor - Copeland                                     |     |      |
| 1a  | 7603213   | Compressor - Copeland - 208-230V/60 Hz/1 Ph               |     |      |
| 1b  | 7603223   | Compressor - Copeland - 208-230V/60 Hz/3 Ph               |     |      |
| 1c  | 7603233   | Compressor - Copeland - 230V/50 Hz/1 Ph                   |     |      |
|     |           | Compressor - Bristol                                      |     |      |
| 1d  | 000005173 | Compressor - Bristol - 208-230V/60 Hz/1 Ph                |     |      |
| 1e  | 000005174 | Compressor - Bristol - 208-230V/60 Hz/3 Ph                |     |      |
| 1f  | 000005175 | Compressor - Bristol - 230V/50 Hz/1 Ph                    |     |      |
| 2   |           | Water Dump Valve                                          |     |      |
| 2a  | 000001768 | Water Dump Valve - 208-230V/50-60 Hz                      |     |      |
| 3   |           | Harvest Valve                                             |     |      |
| 3a  | 7630101   | Solenoid Valve with Coil - 230V/50-60 Hz                  |     |      |
| 3b  | 000005157 | Danfoss Solenoid Valve Coil Only - 230V/50-60 Hz          |     | [1]  |
| 4   |           | Water Inlet Valve                                         |     |      |
| 4a  | 000007966 | Water Inlet Valve - 208-230V/50-60 Hz                     |     |      |
| 5   | 7603243   | Expansion Valve                                           |     |      |
| 5a  | 4013299   | Valve Insulation Boot - Body                              |     |      |
| 5b  | 4007203   | Valve Insulation Boot - Bulb                              |     | [2]  |
| 6   | 8253579   | Manifold Strainer                                         |     |      |
| 7   | 2001243   | High Pressure Cut-out Control                             |     |      |
| 8   |           | Electrical Box on Rear of Ice Machine                     |     |      |
| 8a  | 6067289   | Rear Connection Box                                       |     |      |
| 8b  | 2006143   | Terminal Block - 50 Hz - 3 Pole                           |     |      |
| 8c  | 5202169   | Screw - #10-24 x 0.50" Ground                             |     |      |
| 9   |           | Air Compressor                                            |     |      |
| 9a  | 7603539   | Air Compressor Pump 230V with bracket                     |     |      |
| 9b  | 4004579   | Air Manifold                                              |     | [3]  |
| 10  |           | Compressor Compartment Wiring Harness                     |     |      |
| 10b | 000005519 | Compressor Compartment Wiring Harness - Air-cooled        |     |      |
| 10a | 000005521 | Compressor Compartment Wiring Harness - Water-cooled      |     |      |
| 10c | 000005523 | Compressor Compartment Wiring Harness - Remote Air-cooled |     |      |
| 11  | 000005177 | Discharge Muffler                                         |     | [4]  |
| 12  | 6058459   | Water Dump Valve Mounting Bracket                         |     |      |
| 13  | 8706093   | Female Wing Adapter - 0.375"                              |     |      |
| 14  | 1360961   | Male Connector                                            |     |      |
| 15  | 8706083   | Female Wing Adapter - 0.50"                               |     |      |
| 16  | 4420383   | Clear Tubing - 0.625" ID                                  |     |      |
| 17  | 4420383   | Clear Tubing - 0.625" ID                                  |     |      |
| 18  | 6065909   | Compressor Mounting Base                                  |     |      |
| 19  | 8504859   | Rubber Grommet                                            |     |      |
| 20  | 8503949   | Mounting - Sleeve                                         |     |      |
| 21  | 5004819   | Compressor Mounting - Bolt                                |     |      |

## S1400 REFRIGERATION COMPARTMENT - COMMON COMPONENTS

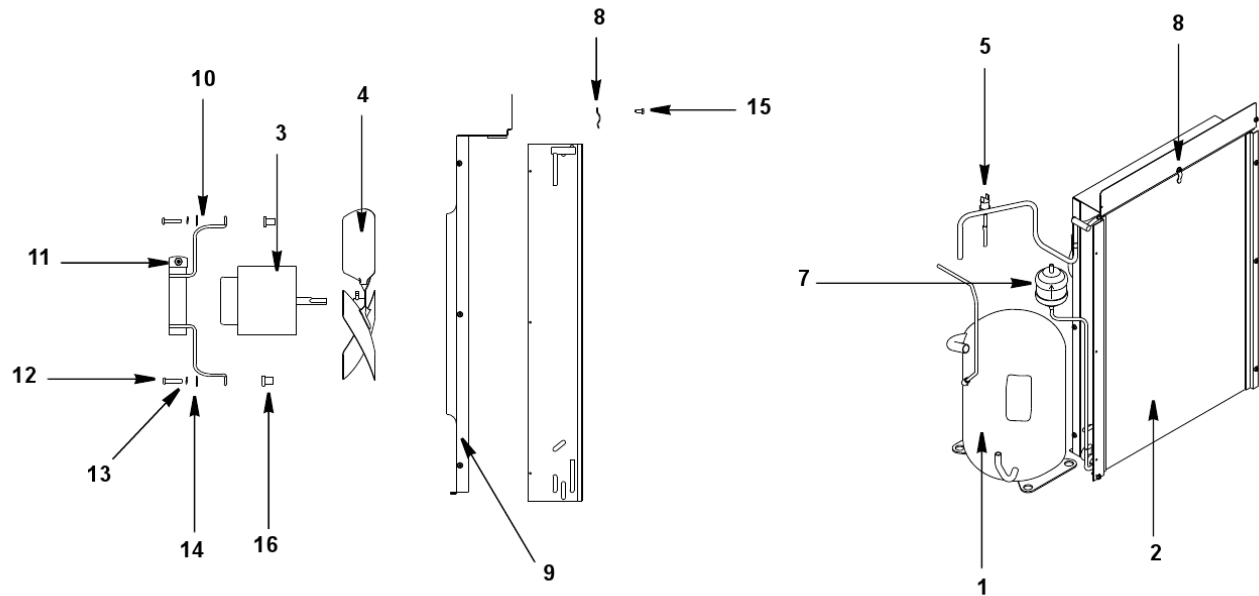
| #   | PART #    | DESCRIPTION                           | QTY | Note |
|-----|-----------|---------------------------------------|-----|------|
| 22  | 5004829   | Compressor Mounting - Nut             |     |      |
| 23  | 2006239   | Compressor Wiring Harness             |     |      |
| 24  | 000005176 | Compressor Molded Plug Wiring Harness |     |      |
| 25  | 5650709   | Snap Clamp - 0.799"/0.899" ID         |     |      |
| 26  | 5650529   | Clamp - Expansion Valve Bulb          |     |      |
| 27  | 3000503   | Strap - Expansion Valve Bulb - 0.5"   |     |      |
| 28  | 5202069   | Screw - #10-24 x 0.50" HEX            |     |      |
| 29  | 6068659   | Left Corner Post                      |     |      |
| 30  | 6068649   | Left Top Channel                      |     |      |
| 31  | 000008752 | Right Corner Post                     |     |      |
| 32  | 6062579   | Right Top Channel                     |     |      |
| 33  | 000003407 | Insulated Tube                        |     | [5]  |
| 33a | 5650609   | Snap Clamp - 1.0" ID                  |     |      |
| 33b | 5650709   | Snap Clamp - 0.799"/0.899" ID         |     |      |
| 34  | 4010439   | Tubing - Water Inlet Valve            |     | [6]  |
| 35  | 1360989   | Connector - Water Inlet Valve         |     |      |
| 36  | 6066449   | Water Inlet Valve Bracket             |     |      |
| 37  | 000002474 | Check Valve Replacement               |     | [7]  |
| 38  | 2006559   | Water Level Probe Holder              |     |      |
| 38a | 5202069   | Screw - #10-24 x 0.50" HEX            |     |      |

### PART NOTES:

- [1] - \pages from 000005156\_02.jpg" width=266 height=183>
- [2] - \pages from 400720\_08.jpg" width=923 height=583>
- [3] - Air Pump Tubing Outlet
- [4] - After Serial Number 110840851
- [5] - vinyl tubing from distribution tube to water pump & dump valve
- [6] - \pages from 401043\_05.jpg" width=1797 height=2238>
- [7] - includes water diverter, vinyl tubing & insulation

# S1400, JC1395

## S1400 REFRIGERATION COMPARTMENT - AIR-COOLED COMPONENTS



# S1400, JC1395

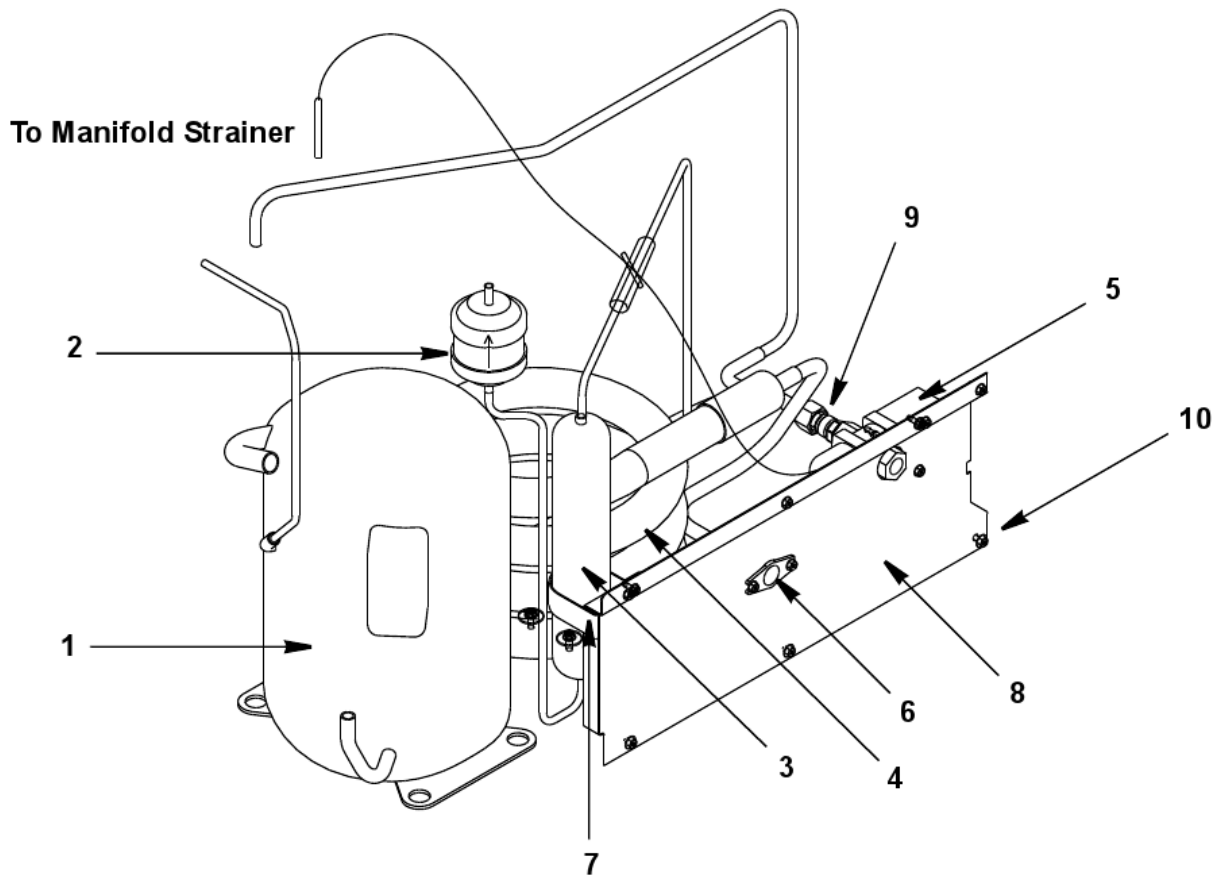
## S1400 REFRIGERATION COMPARTMENT - AIR-COOLED COMPONENTS

| #   | PART #    | DESCRIPTION                             | QTY | Note |
|-----|-----------|-----------------------------------------|-----|------|
| 1   |           | Compressor (Refer to COMMON PARTS Page) |     |      |
| 2   | 8851283   | Air Condenser                           |     |      |
| 3   |           | Fan Motor                               |     |      |
| 3a  | 7626733   | Fan Motor - 208-230V/50-60 Hz           |     | [1]  |
| 3b  | 000006007 | Fan Motor - 230V/50 Hz                  |     |      |
| 4   | 2416113   | Fan Blade                               |     |      |
| 5   | 2001273   | Fan Cycling Control - 225-275 psig      |     | [2]  |
| 6   | 4040243   | Air Filter                              |     |      |
| 7   | 8930279   | Drier                                   |     |      |
| 8   | 5650699   | Air Filter Clip                         |     |      |
| 9   | 6068499   | Fan Shroud                              |     |      |
| 10  | 3006823   | Fan Motor Mounting Bracket              |     |      |
| 11  | 5033589   | Mounting - Screw                        |     |      |
| 11a | 5545109   | Lockwasher                              |     |      |
| 11b | 5429529   | Mounting - Hexnut                       |     |      |
| 12  | 5032389   | Fan Bracket Mounting Screw              |     |      |
| 13  | 5545109   | Lockwasher                              |     |      |
| 14  | 5573059   | Mounting - Flatwasher                   |     |      |
| 15  | 5202069   | Screw - #10-24 x 0.50" HEX              |     |      |
| 16  | 5429559   | Mounting - Rubber Wellnut               |     |      |

### PART NOTES:

- [1] - 60 Hz
- [2] - \pages from 200126\_09.jpg" width=170 height=228>

## S1400 REFRIGERATION COMPARTMENT - WATER-COOLED COMPONENTS

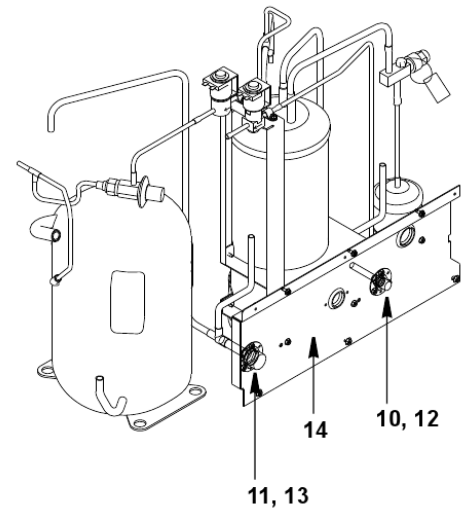
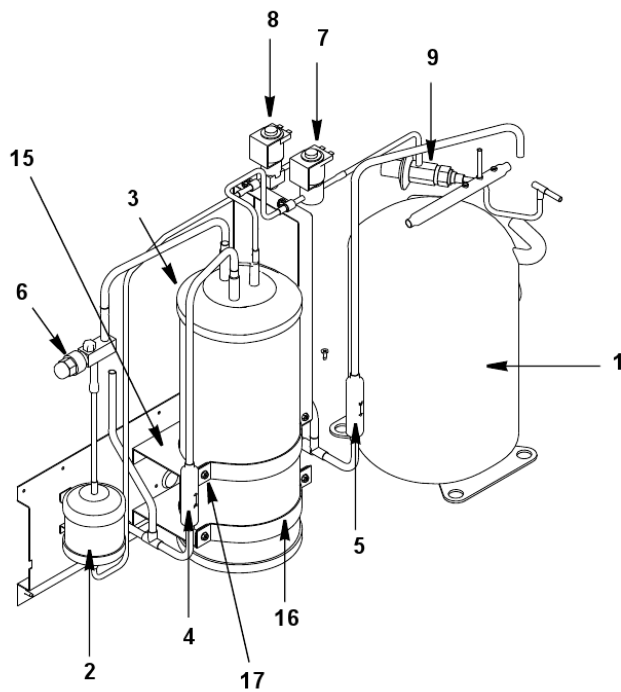


# S1400, JC1395

## S1400 REFRIGERATION COMPARTMENT - WATER-COOLED COMPONENTS

| #  | PART #    | DESCRIPTION                             | QTY | Note |
|----|-----------|-----------------------------------------|-----|------|
| 1  |           | Compressor (Refer to COMMON PARTS Page) |     |      |
| 2  | 8930279   | Drier                                   |     |      |
| 3  | 000008894 | Receiver                                |     |      |
| 4  | 000001508 | Water-Cooled Condenser                  |     |      |
| 5  | 8372123   | Water Regulating Valve                  |     |      |
| 6  | 8706083   | Female Wing Adapter - 0.50"             |     |      |
| 7  | 6000541   | Receiver Strap                          |     |      |
| 8  | 6066829   | Back Panel - Coupling Panel             |     |      |
| 9  | 5005453   | Elbow 0.50 MF x 0.50 NPT                |     |      |
| 10 | 5202063   | Screw - #10-24 x 0.50" HEX              |     |      |
| 11 | 5573419   | Washer                                  |     |      |
| 12 | 6066841   | Base, Water Condenser/Receiver          |     |      |

## S1400 REFRIGERATION COMPARTMENT - REMOTE COMPONENTS



# S1400, JC1395

## S1400 REFRIGERATION COMPARTMENT - REMOTE COMPONENTS

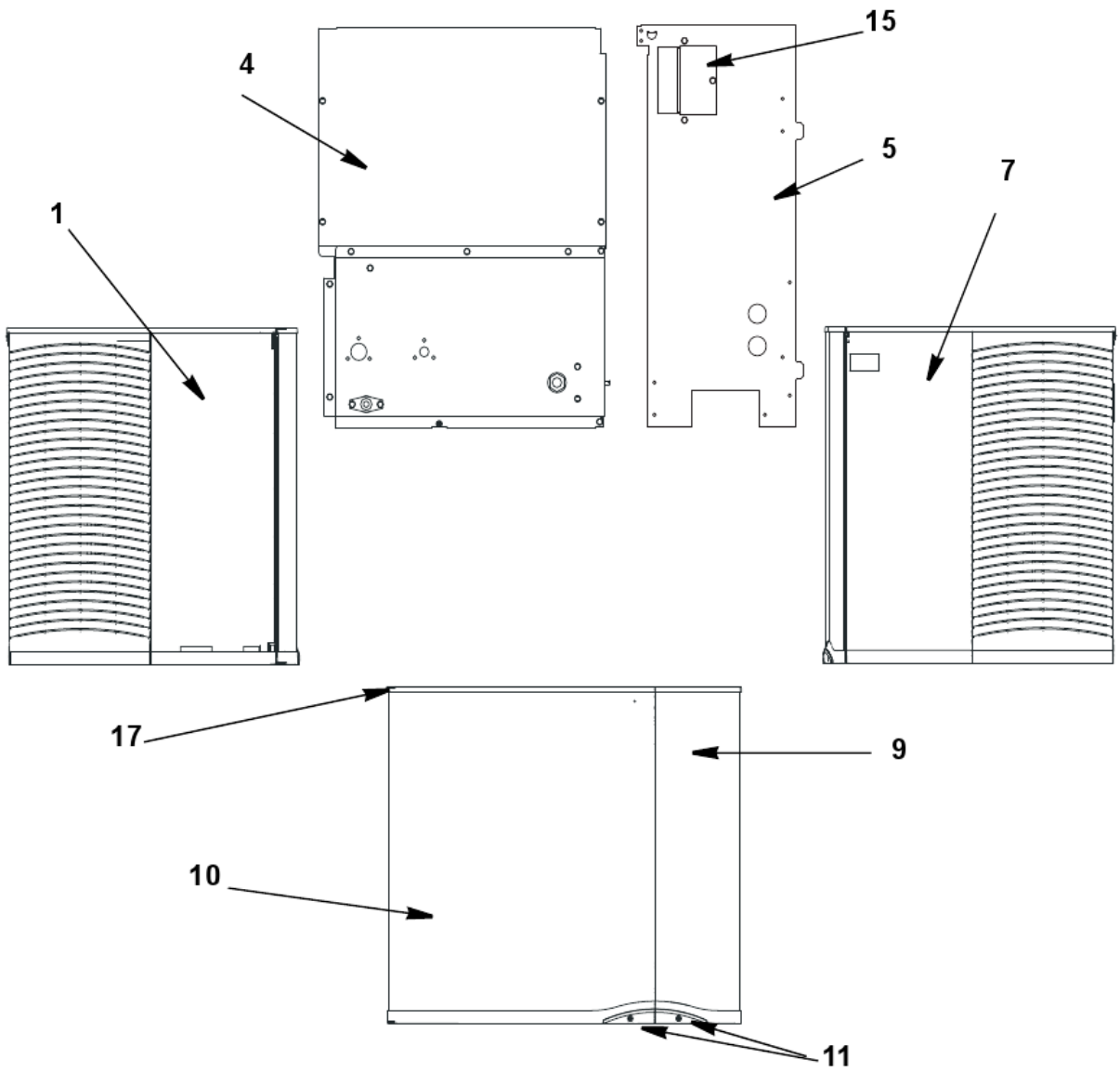
| #  | PART #                      | DESCRIPTION                                                        | QTY | Note |
|----|-----------------------------|--------------------------------------------------------------------|-----|------|
| 1  | See S1400 Common Components | Compressor                                                         |     |      |
| 2  | 8930279                     | Drier                                                              |     |      |
| 3  | 7629573                     | Receiver                                                           |     |      |
| 4  | 8373149                     | Magni-Check Valve - 0.375"                                         |     |      |
| 5  | 8373159                     | Magni-Check Valve - 0.5"                                           |     |      |
| 6  | 8373169                     | Receiver Service Valve                                             |     |      |
| 6a | 5650753                     | Caps for Refrigeration Service Valve                               |     |      |
| 7  |                             | Harvest Pressure Regulating Solenoid Valve                         |     |      |
| 7a | 7630061                     | Danfoss Solenoid Valve with Coil - 208-230V/50-60 Hz               |     |      |
| 7b | 000005157                   | Danfoss Solenoid Valve Coil Only - 230V/50-60 Hz                   |     | [1]  |
| 8  |                             | Liquid Line Solenoid Valve                                         |     |      |
| 8a | 7630091                     | Danfoss Solenoid Valve Including 208-230V/50-60 Hz Electrical Coil |     |      |
| 8b | 000005157                   | Danfoss Solenoid Valve Coil Only - 230V/50-60 Hz                   |     | [1]  |
| 9  | 8367793                     | Harvest Pressure Regulating Valve                                  |     |      |
| 10 | 8360343                     | Coupling - Male - 5/8-18                                           |     |      |
| 11 | 8360353                     | Coupling - Male - 1-1/6-12                                         |     |      |
| 12 | 8360053                     | Coupling Mounting Flange for 5/8-18                                |     |      |
| 13 | 8360063                     | Coupling Mounting Flange for 1-1/16-12                             |     |      |
| 14 | 6066829                     | Back Panel - Coupling Panel                                        |     |      |
| 15 | 6000561                     | Receiver Mounting Bracket                                          |     |      |
| 16 | 6307214                     | Receiver Mounting Strap                                            |     |      |
| 17 | 5202069                     | Screw - #10-24 x 0.50" HEX                                         |     |      |

### PART NOTES:

[1] - \pages from 000005156\_02.jpg" width=266 height=183>

# S1400, JC1395

## S1400 PANELS



# S1400, JC1395

## S1400 PANELS

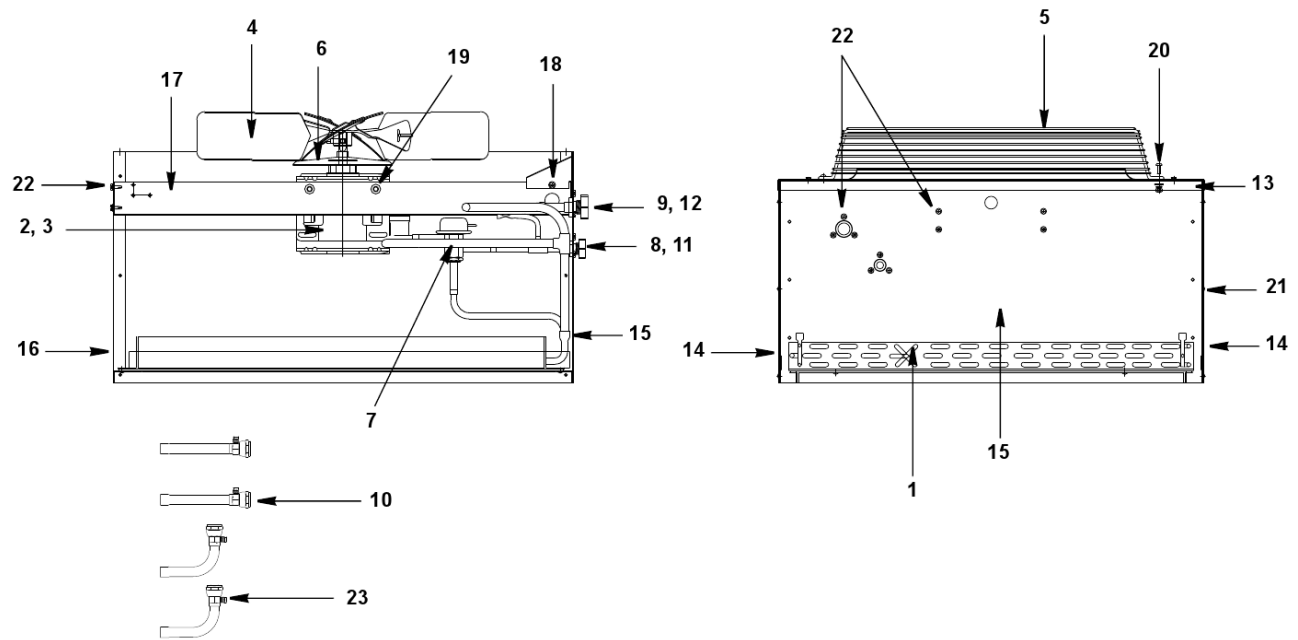
| #   | PART #    | DESCRIPTION                                                | QTY | Note |
|-----|-----------|------------------------------------------------------------|-----|------|
| 1   | 6060559   | Left Side Panel                                            |     |      |
| 2   | 6059719   | Air Baffle                                                 |     |      |
| 3   | 4040243   | Air Filter                                                 |     |      |
|     |           | Back Panel - See Note for Usage                            |     |      |
| 4   | 6069709   | Back Panel - Water-cooled / Remote Air-cooled              |     |      |
| 5   | 6069739   | Back Panel - Air-cooled / Water-cooled / Remote Air-cooled |     |      |
| 6   | 6066829   | Back Panel - Coupling Panel                                |     |      |
| 7   | 6060549   | Right Side Panel                                           |     |      |
| 8   | 4012039   | Top Cover                                                  |     |      |
| 9   | 6068689   | Right Door                                                 |     |      |
| 10  | 6068679   | Left Door                                                  |     |      |
| 11  | 5004899   | Front Door Screw                                           |     |      |
| 12  |           | Left Door Endcaps                                          |     |      |
| 12a | 4011923   | Left Door Endcap - Top                                     |     |      |
| 12b | 4011913   | Left Door Endcap - Bottom                                  |     |      |
| 13  |           | Right Door Endcaps                                         |     |      |
| 13a | 4011943   | Right Door Endcap - Top                                    |     |      |
| 13b | 4015153   | Right Door Endcap - Bottom                                 |     |      |
| 14  | 3005749   | Front Top Support                                          |     |      |
| 14a | 5005379   | Mounting Screw - #8-32 x 1" PHIL                           |     |      |
| 14b | 5005099   | Mounting Screw - #10-16 x 0.625" PHIL                      |     |      |
| 14c | 3006029   | Front Panel Strike                                         |     |      |
| 15  | 4011889   | Bottom Door Frame                                          |     |      |
| 15a | 5005379   | Mounting Screw - #8-32 x 1" PHIL                           |     |      |
| 15b | 5202099   | Screw - #10-24 x 0.50" PHIL                                |     |      |
| 16  | 6062369   | Door Catch Bracket                                         |     |      |
| 16a | 5026249   | Mounting Screw - #8-32 x 0.50" PHIL                        |     |      |
| 17  | 3005579   | Left Door Pivot Leaf Hinge                                 |     | [1]  |
| 17a | 5005379   | Mounting Screw - #8-32 x 1" PHIL                           |     |      |
| 18  | 6067299   | Rear Connection Box Cover                                  |     |      |
| 19  | 6064049   | Top Cover Bracket                                          |     |      |
| 20  | 4004593   | Sachet Holder                                              |     | [2]  |
| 20a | 5004799   | Thumbscrew SS - #8-32 x 0.375"                             |     |      |
| 21  | 000000548 | Cartoning                                                  |     |      |

### PART NOTES:

- [1] - Top or Bottom
- [2] - inside left door

# S1400, JC1395

## JC1395 REMOTE CONDENSER



# S1400, JC1395

## JC1395 REMOTE CONDENSER

| #   | PART #    | DESCRIPTION                                  | QTY | Note |
|-----|-----------|----------------------------------------------|-----|------|
| 1   | 8850903   | Air Condenser                                |     |      |
| 2   | 7629413   | Fan Motor - 208-230V/50-60 Hz/1 Ph           |     |      |
| 3   | 8504583   | Fan Motor Run Capacitor                      |     | [1]  |
| 4   | 2416113   | Fan Blade                                    |     |      |
| 5   | 3400643   | Fan Guard                                    |     |      |
| 6   | 2415053   | Rain Slinger                                 |     |      |
| 7   | 000004070 | Head Pressure Control Valve                  |     |      |
| 8   | 8360343   | Coupling - Male - 5/8-18                     |     |      |
| 9   | 8360353   | Coupling - Male - 1-1/6-12                   |     |      |
| 10  |           | Female Line Set Coupling Kit                 |     | [2]  |
| 11  | 8360053   | Coupling Mounting Flange for 5/8-18          |     |      |
| 12  | 8360063   | Coupling Mounting Flange for 1-1/16-12       |     |      |
| 13  | 6017891   | Top Cover                                    |     |      |
| 14  | 6017901   | Panel - Side Before Serial Number 110529484  |     |      |
| 15  | 6017911   | Panel - Rear Before Serial Number 110529484  |     |      |
| 16  | 6017921   | Panel - Front Before Serial Number 110529484 |     |      |
| 17  | 6017681   | Fan Motor Mounting Bracket                   |     |      |
| 18  | 6017761   | Electrical Box Cover                         |     |      |
| 19  | 5035659   | Fan Motor Mounting Screw                     |     |      |
| 19a | 5573099   | Mounting - Flatwasher                        |     |      |
| 19b | 5573139   | Mounting - Lockwasher                        |     |      |
| 19c | 5429759   | Mounting - Hexnut                            |     |      |
| 20  | 5033459   | Screw - 1/4-20 x 0.625"                      |     |      |
| 20a | 5573049   | Flatwasher                                   |     |      |
| 20b | 5545119   | Mounting - Lockwasher                        |     |      |
| 20c | 5429529   | Mounting - Hexnut                            |     |      |
| 21  | 5121539   | Panel/Condenser Mounting Screw - #8 x 0.50"  |     |      |
| 21a | 5544599   | Panel/Condenser Mounting Lockwasher          |     |      |
| 22  | 5202059   | Screw                                        |     |      |
| 23  | 7626843   | Valve Cores                                  |     |      |
| 24  | 6017691   | Legs                                         |     |      |
| 25  | 000000546 | Cartoning                                    |     |      |

### PART NOTES:

- [1] - Emerson
- [2] - Sold as Finished Goods Sales Kit Sales K0129